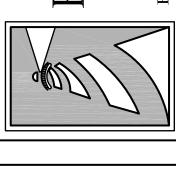


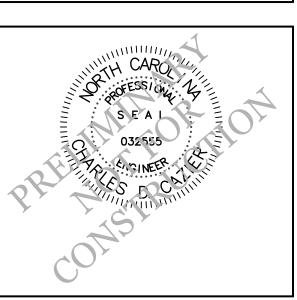
REVISIONS

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Point Road
Carolina 28409
3567

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# & DRAINAGE PLAN FOR SHEALLEY NATIONWIDE INSURANCE OFFICE



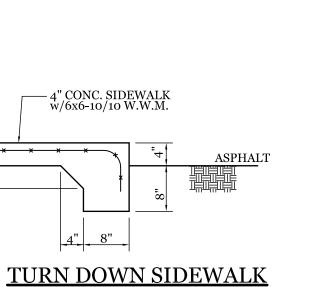
# CLIENT INFORMATION:

SHEALLY INSURANCE GROUP INC. 3905 OLEANDER DRIVE WILMINGTON, NC 28403 910-452-9592

DRAWN:	CDC	SHEET SIZE:	24 x 36
CHECKED:	CDC	DATE:	12/01/2014
APPROVED:	CDC	SCALE:	1" = 20'
PROJECT NUMBER:		2014-039	

DRAWING NUMBER:





# TYPICAL UNPAVED PARKING FACILITY UNDER 25 STALLS SD 15-10 NOT TO SCALE

1" GRID REINFORCEMENT

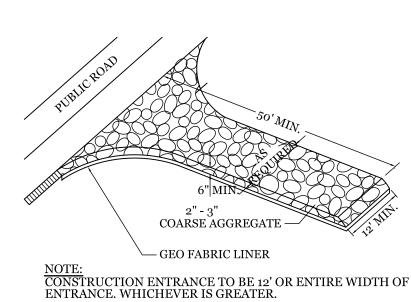
No. 57 GRAVEL, OR

No. 32 GRAVEL, OR No. 57 LIMESTÓNE.

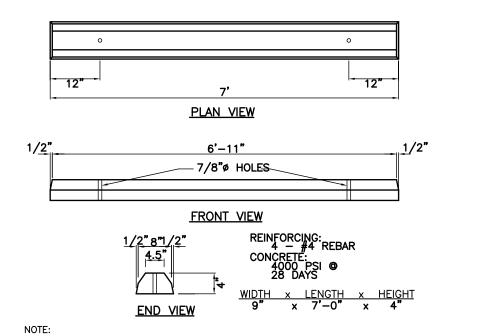
OR No. 67 GRANITE

NON-WOVEN GEO-

TEXTILE FABRIC



TEMPORARY GRAVEL CONSTRUCTION ENTRANCE



- SEE PLAN FOR CURB TYPE

1. CONTRACTOR SHALL INSTALL PER CITY OF WILMINGTON TECHNICAL STANDARD PER SD 15-13 2. CONTRACTOR SHALL INSTALL WHEEL STOP 2.5' FROM SIDEWALK.

WHEEL STOP DETAIL

THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS BOTH ON AND ADJACENT TO THE SITE.

CLEARING: CONTRACTOR SHALL REMOVE ALL TREES AND VEGETATION WITHIN LIMITS OF CONSTRUCTION IF DESIGNATED TO BE REMOVED. GRUBBING AND STRIPPING: CONTRACTOR SHALL RAKE AND REMOVE ROOTS, STUMPS, VEGETATION, DEBRIS, EXISTING STRUCTURES ABOVE AND BELOW GRADE, ORGANIC

MATERIAL OR ANY OTHER UNSUITABLE MATERIAL WITHIN LIMITS OF CONSTRUCTION. MUCKING: CONTRACTOR SHALL COORDINATE WITH OWNER AND THEIR GEOTECHNICAL REPRESENTATIVE TO COORDINATE REMOVAL OF ANY SOFT AREAS.

DISPOSAL: CLEARED, GRUBBED, STRIPPED OR OTHER WASTE MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A PROPERLY PERMITTED FACILITY.

FILL AND COMPACTION SHOULD COMPLY WITH GEOTECHNICAL RECOMMENDATIONS. THE CONTRACTOR SHALL NOTE THAT THE GRADING PLAN MAY NOT REPRESENT A BALANCED EARTHWORK CONDITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR

CUT AND FILL QUANTITIES AND COMPLETE INSTALLATION TO SPECIFIED GRADES. 8. THE CONTRACTOR SHALL FURNISH SUITABLE BORROW MATERIAL FROM AN OFF-SITE PROPERLY PERMITTED FACILITY AS REQUIRED. 9. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT ELEVATIONS AND LOCATIONS OF ALL EXISTING UTILITIES AT ALL CROSSINGS PRIOR TO COMMENCING TRENCH EXCAVATION. IF ACTUAL

CLEARANCES ARE LESS THAN INDICATED ON PLAN, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION. ANY

BEFORE PROCEEDING WITH CONSTRUCTION. 10. NO CONSTRUCTION IS TO BEGIN BEFORE LOCATION OF EXISTING UTILITIES HAS BEEN DETERMINED. CALL "NC ONE-CALL" AT LEAST 48 HOURS BEFORE COMMENCING

CONDITION DISCOVERED OR EXISTING THAT WOULD NECESSITATE A MODIFICATION OF THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER

11. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. BEFORE COMMENCING ANY EXCAVATIONS IN OR ALONG ROADWAYS OR RIGHT-OF-WAYS, PUBLIC AREAS OR IN PRIVATE EASEMENTS, THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE PERSONNEL OF THEIR INTENT TO EXCAVATE, IN WRITING, NOT LESS THAN 10 DAYS PRIOR TO EXCAVATING

12. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE DISCONNECTION/ RECONNECTION AND/OR THE RELOCATION OF ALL EXISTING UTILITIES WITH APPROPRIATE

13. CONTRACTOR SHALL ADJUST ALL MANHOLES, VALVE & CURB BOXES TO FINAL GRADE UPON COMPLETION OF ALL CONSTRUCTION. ANY BOXES DAMAGED OR OTHERWISE DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.

14. EXISTING SURVEYING PERFORMED BY PATRICK BRISTOW LAND SURVEYING PC 15. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AT THE SITE. FURTHERMORE THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES OR QUESTIONS TO THE

16. THE CONTRACTOR SHALL PROVIDE ANY AND ALL LAYOUT REQUIRED TO CONSTRUCT HIS WORK UNLESS OTHERWISE DIRECTED BY OWNER 17. ALL SERVICE CONNECTIONS SHALL BE INSTALLED TO MEET ALL LOCAL, STATE, AND CFPUA CODES. METERS, TAPS, MATERIALS, WORKMANSHIP AND ALL FEES SHALL BE THE

RESPONSIBILITY OF THE CONTRACTOR AND SHALL COMPLY WITH ALL REQUIREMENTS. 18. ALL BACKFILL FROM UTILITY INSTALLATION MUST BE COMPACTED OR AMENDED TO PROVIDE TRAFFIC BEARING CAPACITY. GEOTECHNICAL ENGINEER TO BE CONSULTED

19. ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO INSTALLATION. ALL AREAS SHALL BE SLOPED TO DRAIN AWAY FROM BUILDINGS AT ALL TIMES.

20. CONCRETE FOR WALKS, CURBS AND DRIVES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS - AIR ENTRAINED 21. FIELD TESTING SHALL BE DONE BY AN INDEPENDENT TESTING LABORATORY PAID FOR BY THE OWNER. FURTHER TESTING REQUIRED DUE TO A FAILED TEST WILL BE PAID

FOR BY THE CONTRACTOR 22. ALL SIDEWALKS SHALL BE FREE OF CRACKS, BREAKS, OR ANY OTHER DEFECT PRIOR TO RECEIVING A CERTIFICATE OF OCCUPANCY

### CONSTRUCTION SEQUENCE

ENGINEER PRIOR TO INSTALLATION.

AT CONTRACTORS COST AS NECESSARY.

CONSTRUCTION OF SITE TO START WITH INSTALLATION OF CONSTRUCTION ENTRANCE, SEDIMENT TRAP, TREE PROTECTION FENCE AND SILT FENCE ALONG ALL LOCATIONS PER PLANS. UPON INSTALLATION OF SILT FENCE, TREES SHOULD BE REMOVED IN LOCATIONS AS NECESSARY. ALL SLOPED AREAS SHOULD BE SEEDED IN ACCORDANCE TO SPECIFICATIONS. SLOPE STABILIZATION IS WITHIN 21 CALENDAR DAYS OF ANY PHASE OF CONSTRUCTION. ALL OTHER AREAS MUST BE STABILIZED WITHIN 15 WORKING DAYS. 1. GENERAL CLEARING AND GRADING OF THIS SITE WILL NOT BE DONE UNTIL THE TEMPORARY SILT FENCE, SEDIMENT TRAP, TREE PROTECTION FENCE, AND CONSTRUCTION

ENTRANCES HAVE BEEN INSTALLED. 2. NO CUT SLOPE OR FILL SLOPE SHALL EXCEED A RISE OR FALL OF ONE FOOT FOR EVERY RUN OF 3 FEET (1 VERTICAL TO 3 HORIZONTAL).

3. NO SEDIMENT WILL BE ALLOWED TO EXIT THE SITE. ALL EROSION SHALL BE CONTROLLED INCLUDING SIDE SLOPES DURING AND AFTER CONSTRUCTION. 4. INSTALL PRIMARY EROSION CONTROL MEASURES BEFORE BEGINNING CONSTRUCTION INCLUDING BUT NOT LIMITED TO GRAVELED CONSTRUCTION ENTRANCE, SILT FENCE & CHECK DAMS. INSTALL ALL SECONDARY EROSION CONTROL MEASURES AS SOON AS POSSIBLE AFTER BEGINNING CONSTRUCTION.

5. UTILITY SERVICES, STORMWATER, & INFILTRATION BASINS TO BE INSTALLED AT THIS TIME. CONCRETE BUILDING FOUNDATIONS AND SIDEWALKS TO BE POURED.

6. CONTRACTOR TO COORDINATE CONSTRUCTION SEQUENCE WITH ENGINEER. CONTRACTOR TO FOLLOW

6.1. BUILDING PADS TO BE BROUGHT TO GRADE AND POURED. 6.2. PERVIOUS PAVEMENT SUBGRADE TO BE PREPARED AND PAVEMENT POURED.

6.3. BUILDINGS TO BE ERECTED. CONTRACTOR TO PROTECT ALL PERVIOUS PAVEMENT FROM WOOD DEBRIS & SAWDUST. 7. CONTRACTOR TO FOLLOW CONSTRUCTION SPECIFICATIONS FOR POROUS CONCRETE PROVIDED BY THE ENGINEER & REQUIRED IN STORMWATER PERMIT. CONTRACTOR MUST CONTACT ENGINEER FOR SPECIFICATIONS PRIOR TO CONSTRUCTION TO PREVENT SUBGRADE COMPACTION AND CLOGGING OF THE PAVEMENT SURFACE AS WELL AS THE OTHER UNIQUE CONSTRUCTION CONSIDERATIONS FOR PERVIOUS CONCRETE.

8. ALL EROSION CONTROL MEASURES TO BE INSPECTED AFTER EACH RAIN. SILT FENCE TO BE CLEANED WHEN HALF FULL

9. A 4" LAYER OF TOPSOIL SHALL BE APPLIED TO ALL NEW AREAS TO BE GRASSED. 10. ALL DISTURBED AREAS SHALL BE SEEDED IN ACCORDANCE WITH SEEDING SCHEDULE

11. MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PROJECT IS COMPLETE

12. MORE STRINGENT MEASURES MAY BE REQUIRED TO HALT EROSION IF THOSE ON THIS PLAN PROVE TO BE LESS EFFECTIVE.

13. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES UPON COMPLETION OF CONSTRUCTION. ALL PERMANENT MEASURES SHALL BE WELL ESTABLISHED PRIOR TO

## MAINTENANCE PLAN

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE, LESS THAN ONCE EVERY WEEK AND WITHIN 24 HOURS OF EVERY HALF INCH RAINFALL.

2. ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES THAT WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL 2 INCHES OF 2-3 INCH STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED, WASHED OR TRACKED ONTO THE CONSTRUCTION ENTRANCE OR ROADWAYS.

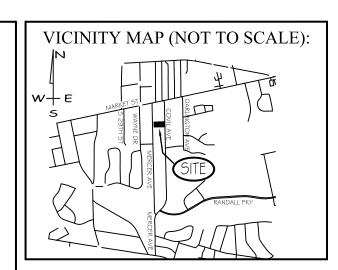
3. SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, ROCK DOUGHNUT INLET PROTECTION, SEDIMENT TRAP BAFFLES, AND ROCK PIPE INLET PROTECTION WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM THE ROCK AND HARDWARE CLOTH TO ALLOW PROPER DRAINAGE. SILT SACKS WILL BE EMPTIED ONCE

EVENT. 4. CHECK SEDIMENT BASIN AND BAFFLES WEEKLY & AFTER EACH RAINFALL EVENT. REMOVE SEDIMENT FROM TRAP & BAFFLES AND RESTORE TO ORIGINAL VOLUME WHEN

EXPANSION JOINT AT 30' INTERVALS(TYP) <u>\* \* \*</u> COMM. AREA SCORE(TYP) \* \* \*

> STANDARD SIDEWALK DETAIL FOR COMMERCIAL AREAS SD 8-15 NOT TO SCALE

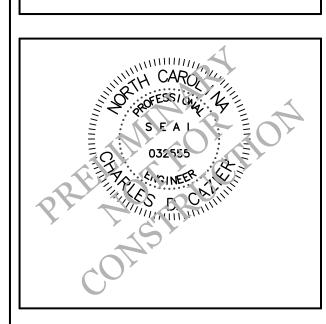
STORMWATER MANAGEMENT			
PLAN			
APPROVED	Approved Construction Planning		
CITY OF WILMINGTON			
ENGINEERING DEPARTMENT	Public Utilities		
DATE PERMIT #			
SIGNED	Traffic		



**REVISIONS** 

A 

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**CLIENT INFORMATION:** 

SHEALLY INSURANCE GROUP INC. 3905 OLEANDER DRIVE WILMINGTON, NC 28403 910-452-9592

DRAWN:	CDC	SHEET SIZE:	24 x 3
CHECKED:	CDC	DATE:	12/01/201
APPROVED:	CDC	SCALE:	NTS
DDOIECT NUMBER.		2014 020	

DRAWING NUMBER:

**C-2** 

NTS

OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE

Repair and refertilize damaged areas immediately. Topdress with 50 lb/acre

RIBBON CURB DETAIL

NTS

of nitrogen in March. If it is necessary to extend temporary cover beyond June 15, overseed with 50 lb/acre Kobe (Piedmont and Coastal Plain)

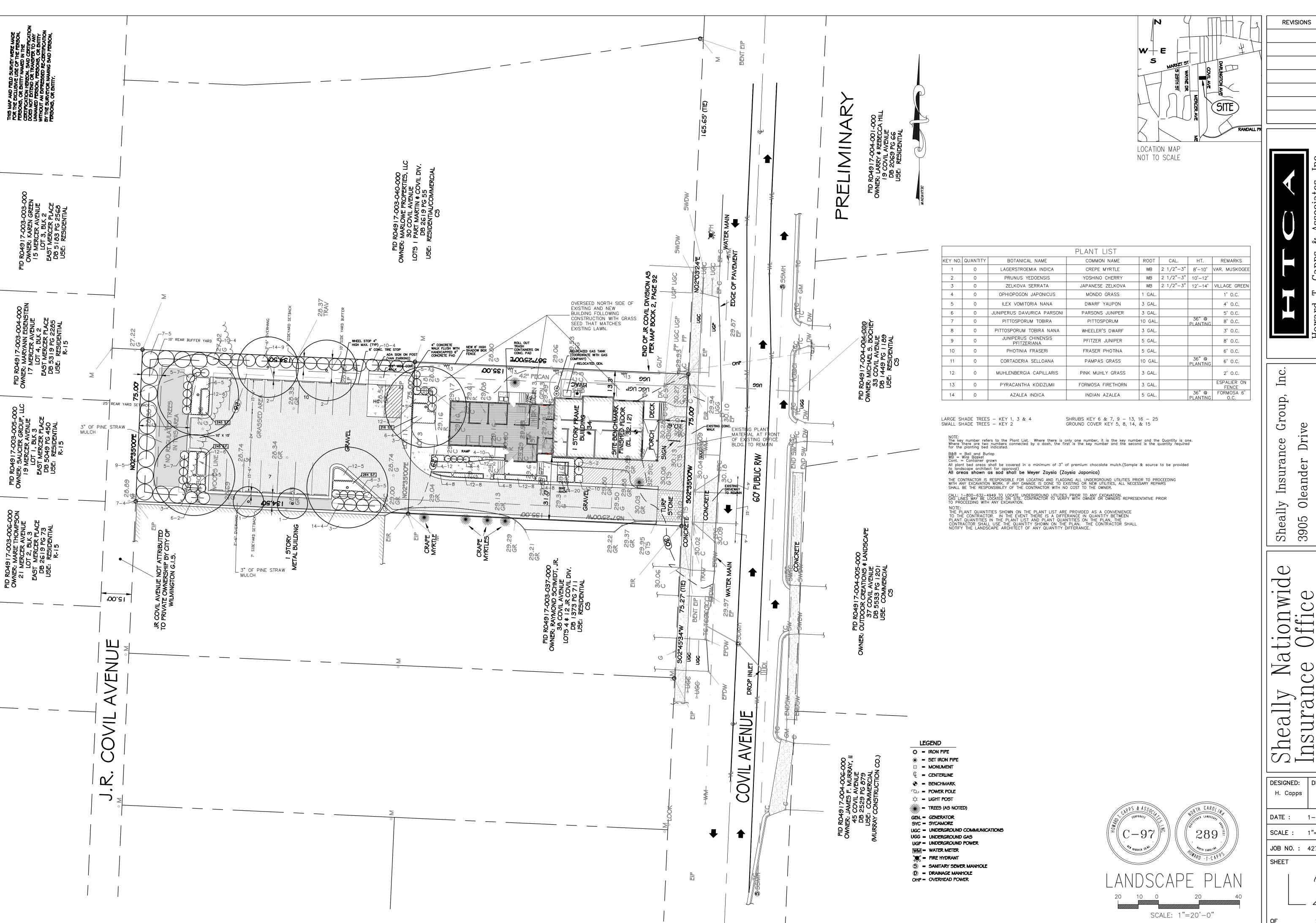
or Korean (Mountains) lespedeza in late February or early March.

USED AS A MULCH ANCHORING TOOL.

MAINTENANCE

TYPE "D" CURB DETAIL

2.5'



DATE

Dri and

03 28 Sheally In 3905 Olea Wilmingto

Nationwide ce Office venue 1, North Sheally Na Insurance 34 Covil Avenue Wilmington, Nor

DESIGNED: DRAWN: H. Capps R. Capps DATE: 1-20-2015 SCALE: 1"=20' JOB NO.: 427-00614

